



King  
Egbert  
School

**Open Evening**

**November 2021**



**Why you should choose Computer Science?**

1. Employment of tech specialists is growing over four times faster than that other UK professions
2. UK needs programmers and Computer Scientists
3. Offers great opportunities for true creativity and innovativeness
4. Enables you to solve complex and challenging problems
5. UK needs experts in Cyber Security to secure our country
6. Computing drives innovation in the sciences, engineering and business
7. To make a difference in today's society
8. Lucrative Careers



**“The rise of Google, the rise of Facebook, the rise of Apple, I think are proof that there is a place for computer science as something that solves problems that people face every day.” Eric Schmidt**

**Syllabus content – OCR**

Unit 1	Unit 2	Unit 3 (A-level only)
The characteristics of contemporary processors, input, output and storage devices	Elements of computational thinking	<b><u>Programming project</u></b> Learner will be expected analyse, design, develop, test, evaluate and document a program written in a suitable programming language
Software and software development	Programming and problem solving	
Exchanging data	Pattern recognition, abstraction and decomposition	
Data types, data structures and algorithms	Algorithm design and efficiency	
Legal, moral, cultural and ethical issues	Standard algorithms	

**Jobs opportunities**

- Software Developer
- Web site developer
- Computer network architect
- Information security analyst
- Computer programmer
- Project Manager
- Database administrator
- Computer and information systems manager

**Requirements**

Studied Computer Science at KS4 min grade 5

Maths grade 6